

# Operations Boot Camp

Rubin Observatory

Thursday OCT 2020, 08:00 13:00 PDT

Session Webpage: [Confluence](#)

Slack Channel: #rubinops-bootcamp



U.S. DEPARTMENT OF  
**ENERGY**

- Please, respect the Rubin Observatory [code of conduct](#) and note we are recording.



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Any discriminatory behavior against colleagues on any basis, such as gender, gender identity, race, ethnic background, national origin, religion, political affiliation, age, marital status, sexual orientation, disabilities or any other reason will not be tolerated.



If I witness any form of bullying, harassment or aggression I will follow the reporting instructions in the Code of Conduct.



**All talks at this workshop will be recorded.**

If you do not wish to be recorded, you are welcome to keep your camera off.



**Videos are posted the next working day.**

Each session will be posted on YouTube and embedded on the session's page.



**Give Slack questions a thumbs-up.**

Questions with more thumbs up may get priority if time runs short.



**Show your appreciation.**

Feel free to applaud at any time but especially at the end - Slack has a clap emoji.

## Wrap up and Transition to Operations

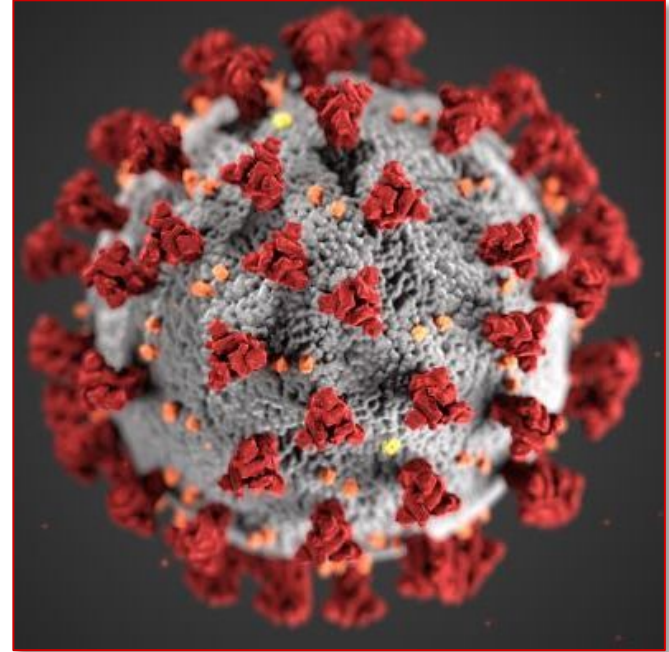
Amanda Bauer, Chuck Claver, Leanne Guy, Zeljko Ivezic, Phil Marshall, Wil O'Mullane, Bob Blum



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# Ops staff are teleworking during the COVID 19 pandemic

- We know COVID is a challenge
- Let us know if you have specific challenges that we might be able to address
- Uncertain times will remain for the next six months or more
- Ops staff will work remotely for the foreseeable future (no date to return for most, varies by institution)
- Pre operations is fundamentally dependent on Construction for much but not all of our activity.
- Current plan 1 year delay compared to April 2020 JOR plan.
- We have to stay flexible.



# Some items in transition planning need further development

## Important Items for further development in Pre Operations:

- Given uncertainties on actual Construction schedule and Commissioning period, Operations will plan for different options in year 1.
  - In all cases: assume Construction hands Operations a system that can capture, move, and process science quality data.
  - Plan "A", SV is completely successful, move quickly to the LSST and DR1,
  - Or, plan for further shakedown of operations procedures and data taking
  - And/or, plan for Early Science Period (3-6 months) that is different than regular survey operations because SV cut short.
  - Execute appropriate option given actual state of SV and system completeness
- Use pre operations to robustly develop Data Production and System Performance procedures.
- Work with Construction on phased handovers where appropriate, possibly DM and EPO as well as ops elements like base facility (NORILab), Pachón Dorm (NOIRLab), and Rubin Observatory Auxiliary Telescope.
- Current plan does not include specific early transitions to ops, but we can handle these with appropriate planning and resource.



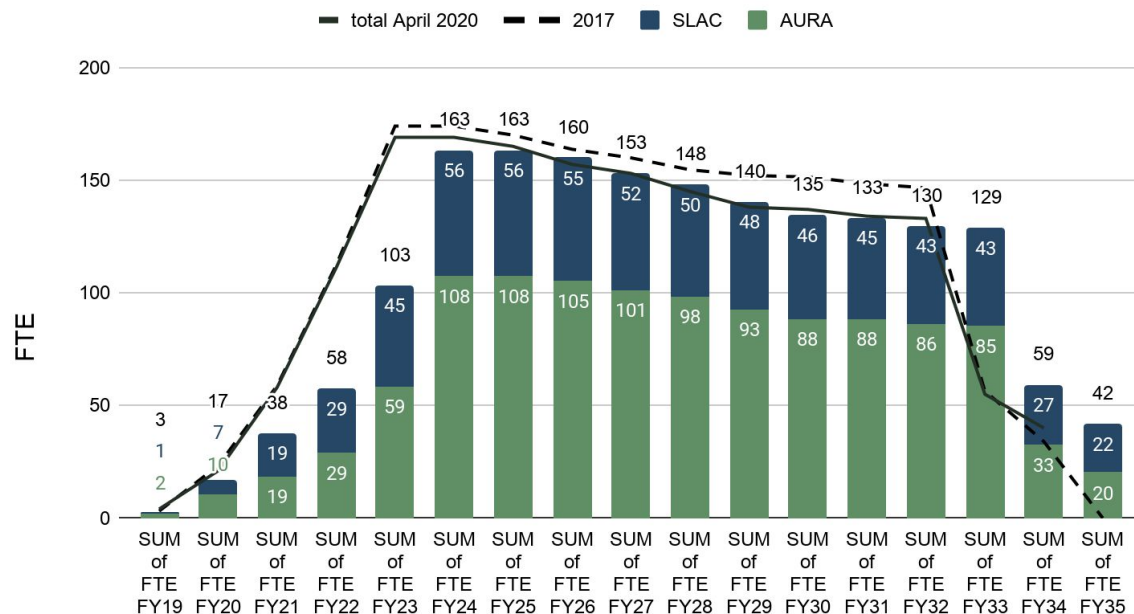
# Replan: shifting pre operations resource needs outward

The increased effort relative to the 2020 preliminary plan (reviewed in April) is due to:

- 1) including the full transition costs for US DF
- 2) a 3 FTE increase in staffing in response to JOR recommendations
- 3) Reducing effort in FY21-22 in OO and SP to accommodate SIT-COM
- 4) added cost: an extra year in FY22 and escalation for one more year.

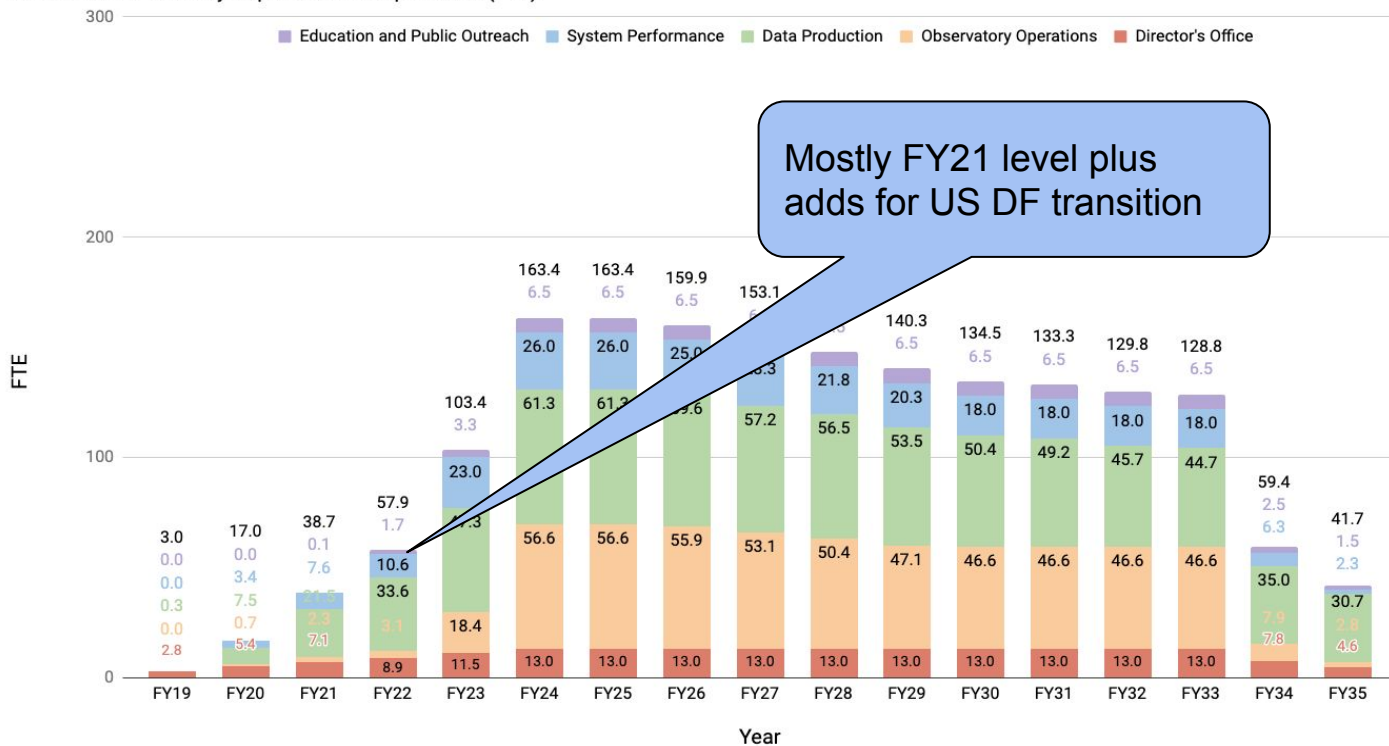
There are 100+ people representing 40 FTE for pre-Operations in FY21

Total Labor (FTE) Count by Managing Partner



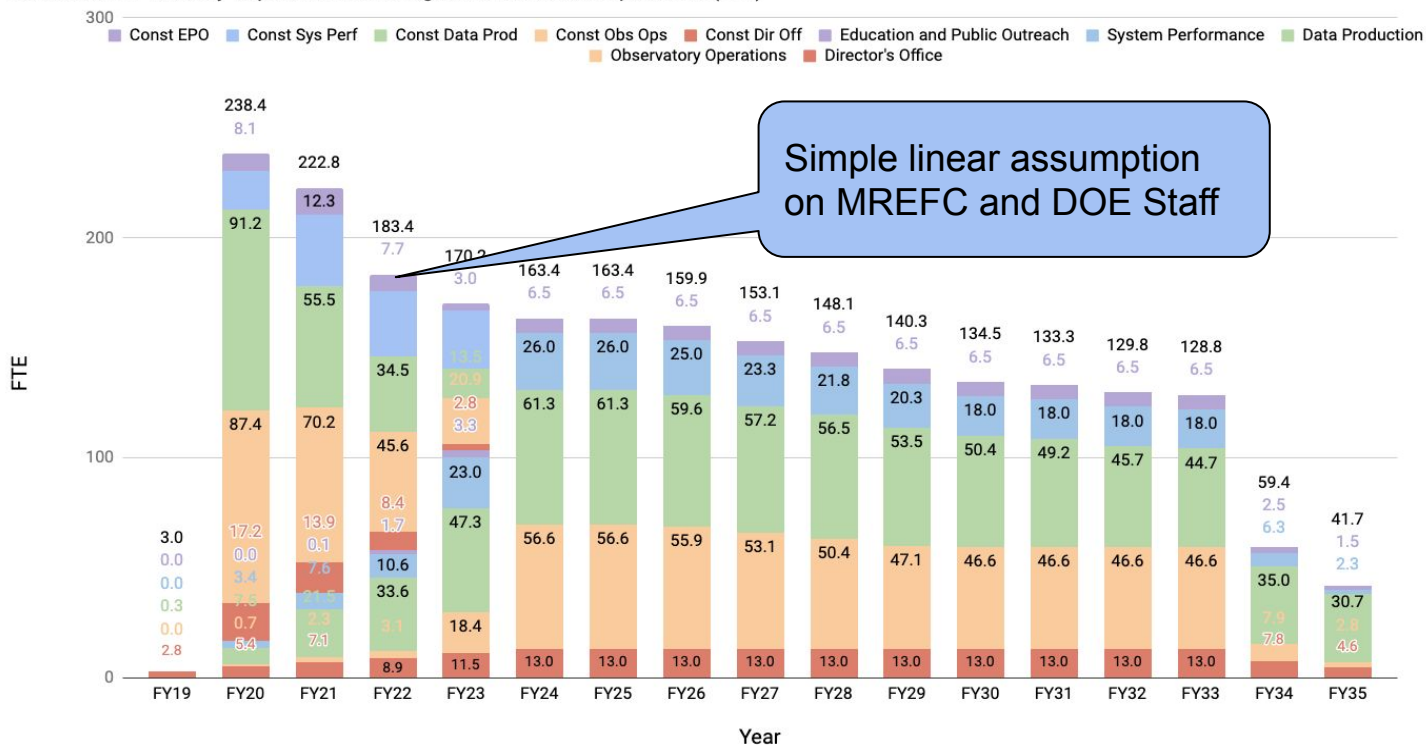
# Staffing plan includes COVID19 delay and USDF needs

Distribution of Effort by Department for Operations (FTE)



# Construction staff fill most of the need

Distribution of Effort by Department Including Construction and Operations (FTE)





- MIE ramping down, DOE commissioning and Ops roles being filled; US DF biggest unknown
- MREFC, working with Victor and ADs to identify/communicate to staff for OPS roles. Mostly there.
- Next steps, work with Construction staff to convey trajectories and confirm Operations roles, expectations
- Develop list of roles that will need wider SLAC or NOIRLab recruitment and those that need external recruitment.
- Work with AURA and SLAC HR to onboard staff coming from Construction and execute external recruitments

- Replanned Operations for COVID19 and US DF
- Replan assumes 1 year delay in construction. We will adapt the plan based on MREFC re-baseline and evolution from there (FY21 not an issue).
- Staffing needs well understood, and staff transition in good shape with respect to Construction staff. Need to take next steps

Questions, Answers, Comments from Boot Camp 1.